

We claim:

1. An isolated nucleic acid molecule comprising a first nucleotide sequence which is or is complementary to or degenerate variant of a second nucleotide sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 9395.
2. The isolated nucleic acid molecule of claim 1, wherein said isolated nucleic acid molecule encodes a *Chlorella sarokiniana* protein or fragment thereof.
3. The isolated nucleic acid molecule of claim 2, wherein said *Chlorella sarokiniana* protein or fragment thereof is the homologue of a protein set forth in Table 1.
4. The isolated nucleic acid molecule of claim 3, wherein said isolated nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of SEQ ID: 1 to SEQ ID NO: 3043.
5. A substantially purified *Chlorella sarokiniana* protein homologue or fragment thereof encoded by a nucleic acid molecule that comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 9395.
6. A transformed cell having an exogenous nucleic acid molecule which comprises:
 - (A) an exogenous promoter region which functions in said cell to cause the production of a mRNA molecule; which is operably linked to
 - (B) a structural nucleic acid molecule, wherein said structural nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 9395; which is operably linked to
 - (C) a 3' non-translated sequence that functions in said cell to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of said mRNA molecule.
7. The transformed cell according to claim 6, wherein said cell is selected from the group consisting of an algal cell, a plant cell, a mammalian cell, a bacterial cell, a fungal cell and an insect cell.
8. The transformed cell according to claim 7, wherein said cell is an algal cell.
9. The transformed cell according to claim 8, wherein said cell is a *Chlorella sarokiniana* cell.
10. The transformed cell according to claim 7, wherein said cell is a plant cell.